

THOMSON

DELPHION

RESEARCH

PRODUCTS

INSIDE DELPHION

My Account | Products

Search: Quick/Number Boolean Advanced

Help

The Delphion Integrated View

Get Now: ☒PDF | [More choices...](#)

Tools: Add to Work File:

[Create new Work File](#)View: [INPADOC](#) | Jump to: [Top](#) Go to: [Derwent...](#) [Email this to a friend](#)**Title: JP2155633A2: PREPARATION OF TRUSS STRUCTURE MADE OF FIBER REINFORCED PLASTIC****Country: JP Japan****Kind: A****Inventor: KAMIYOSHIHARA HIROSHI;
AMAOKA KAZUAKI;
TAKIZAWA NAOYA;****Assignee: FUJI HEAVY IND LTD**
[News, Profiles, Stocks and More about this company](#)**Published / Filed: 1990-06-14 / 1988-12-07****Application Number: JP1988000309155****IPC Code: B29C 67/14; B64C 3/18; B29K 105/10; B29L 31/30;****Priority Number: 1988-12-07 JP1988000309155****Abstract:**

PURPOSE: To inexpensively prepare a truss structure having lightweight properties, high strength and high rigidity by laminating a laminate composed of the first resin impregnated fibers to the first mandrel and laminating a laminate composed of the second resin impregnated fibers to the second mandrel in mutual contact relation to the first mandrel.

CONSTITUTION: A second resin impregnated fibers composed of the same material as the first resin impregnated fibers are helically wound around the first and second mandrels 1, 3 by a filament winding apparatus to form a laminate 8 composed of the second resin impregnated fibers. Subsequently, the laminate 2 of the first resin impregnated fibers and the laminate 8 composed of the second resin impregnated fibers are tacked and, thereafter, the third mandrel 9 having a triangular cross-section is connected to the second mandrel 3. This connection is performed by inserting a fixing pin 10 in the pin hole part 11 of the third mandrel 1 and the pin hole 12 of the second mandrel 3. The gap of the boundary part of the second and third mandrels 3, 9 is also filled with a filler 13.

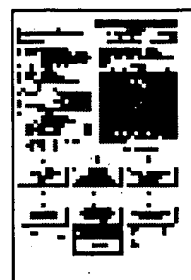
COPYRIGHT: (C)1990,JPO&Japio

INPADOC


None

Get Now: [Family Legal Status Report](#)**Legal Status:****Family:**[Show 2 known family members](#)**Forward****References:****Go to Result Set: [Forward references \(2\)](#)**

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US5943758	1999-08-31	Haas; Neal	Grafalloy Corporation	Fabrication of a hollow composite-material shaft having an integral collar

[View Image](#)

1 page

	US5547629	1996-08-20	Diesen; David	Competition Composites, Inc.	Method for manufacturing a one- piece molded composite airfoil
---	-----------	------------	------------------	---------------------------------	---

Other Abstract
Info:

DERABS C90-227851 DERC90-227851



[Nominate this for the Gallery...](#)

